nt Spectrum Analyzer - !					
		SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	09:56:59 AM Jan 18, 2013 TRACE 1 2 3 4 5 6	Frequency
nter Freq 2.441	PNO: Far IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type. Log-rwi	TYPE MWWWWW DET P NNNNN	
B/div Ref 20.0) dBm		Mkr	2 2.442 00 GHz -2.22 dBm	Auto Tu
			2		Center Fr
			♦ ²		2.441000000 G
j		-	m l		2.4410000000
)					Start Fr
		1			2.436000000 G
)	0 0 A		to any particular		
- Hanna walk hunger and	and have a	~		Www torm Munich	
					Stop Fr
					2.446000000 G
nter 2.441000 GH	z			Span 10.00 MHz	
es BW 100 kHz	#VI	3W 100 kHz	#Sweep	500 ms (1001 pts)	CF St 1.000000 M
MODE TRC SCL	Х		JNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto N
N 1 f	2.441 00 GHz 2.442 00 GHz	-2.14 dBm -2.22 dBm			
	2.442 00 0112	-2.22 00111			Freq Off
					0
					•

Channel 39 2441MHz

Channel 78 2480 MHz

Agilent Spectrum Analyzer - Swept SA				
XX RL RF 50Ω AC Center Freq 2.480000000 G		ALIGN AUTO Avg Type: Log-Pwr	10:05:01 AM Jan 18, 2013 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
	NO: Far	Mkr1	2.479 00 GHz -3.01 dBm	Auto Tune
10.0 0.00 -10.0				Center Fred 2.480000000 GHz
-20.0 -30.0 -40.0				Start Free 2.475000000 GH
-50.0 -60.0 -70.0			and the head have	Stop Free 2.485000000 GH
Center 2.480000 GHz #Res BW 100 kHz MKR MODELTRC SCL	#VBW 100 kHz	-	Span 10.00 MHz 500 ms (1001 pts) FUNCTION VALUE	CF Stej 1.000000 MH Auto Ma
1 N 1 f 2.479 (0 2 N 1 f 2.480 (0 3 - - - 4 - - - 5 - - - 6 - - - - 7 - - - - - 8 - - - - - -	0 GHz -3.01 dBm			Freq Offse
9 10 11 12 14 15 art 0 6 6 9 0 11 Ag	lent Spectrum Ana		Q ? ()3	🕈 🖉 🖉 🖉 🚺 10:05 AM

Product	:	Mobile Computer
Test Item	:	Channel Separation
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit - 3Mbps (8DPSK)

	Frequency	Measurement	Limit	Limit of (2/3)*20dB	
Channel No.	Frequency (MHz)	Level	(kHz)	Bandwidth (kHz)	Result
	(WIIIZ)	(kHz)	(KIIZ)	Dandwidtii (KHZ)	
00	2402	1000	>25 kHz	940.0	Pass
39	2441	1000	>25 kHz	946.7	Pass
78	2480	1000	>25 kHz	940.0	Pass

NOTE: The 20dB Bandwidth is refer to section 10.

Channel 00 2402MHz

RL RF 5	ΩΩ AC	SENSE:INT	ALIGN AUTO	10:26:10 AM Jan 18, 2013	F
enter Freq 2.402	2000000 GHz PNO: Far G IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
dB/div Ref 20.0	0 dBm		Mkr	2 2.403 00 GHz -5.21 dBm	Auto Tur
9		1	2		Center Fr 2.402000000 Gi
.0	~	200	Vives		Start Fr 2.397000000 G
1.0	water product the mast transf			and the second	Stop Fr 2.407000000 G
enter 2.402000 GH tes BW 100 kHz R MODE TRO SCL		v 100 kHz	#Sweep	Span 10.00 MHz 500 ms (1001 pts)	CF Ste 1.000000 M Auto M
N 1 f N 1 f N 1 f B	2.402 00 GHz 2.403 00 GHz	-4.90 dBm -5.21 dBm			Freq Offs
7 3 9 9 1					

RL	RF	50 Ω	AC	11-	SENSE:IN		ALIGNAUTO Type: Log-Pwr		AM Jan 18, 2013 CE 1 2 3 4 5 6	Frequency
enter	-req 2	2.44100		MZ PNO: Far G Gain:Low	Trig: Free Run #Atten: 30 dB			TY D		
dB/div	Ref	20.00 d	Bm				Mk		00 GHz 38 dBm	Auto Tu
										Center Fr
					1	2				2.441000000 G
.0							<u> </u>			01
.0								-		Start Fi 2.436000000 0
.0			man	and the			ma	when	man	
.0 	manyandar	charabelister the	de de							Stop Fr 2.446000000 G
								0		
	100 N	00 GHz (Hz		#VBW	/ 100 kHz		#Sweep		10.00 MHz (1001 pts)	CF S1 1.000000 M
R MODE	TRC SCL		× 2.441 0	0 GHz	-5.01 dBm	FUNCTION	FUNCTION WIDT	H FUNCTI	ON VALUE	<u>Auto</u> N
N	1 f		2.442 0		-5.38 dBm					Freq Off
2										

Channel 39 2441MHz

Channel 78 2480 MHz

IQ AC	SENSE:INT	ALIGN AUTO	10:40:06 AM Jan 18, 2013	
000000 GHz PNO: Far C IFGain:Low	Trig: Free Run ₩Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
) dBm		Mkr	1 2.479 00 GHz -5.54 dBm	Auto Tur
	1 2			Center Fre 2.480000000 GF
m		A ~ m		Start Fr 2.475000000 G
nd Parton			and to wanter and	Stop Fr 2.485000000 G
				CF St 1.000000 M
2.479 00 GHz	-5.54 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> N
				Freq Offs 0
	2 #VB	2.479 00 GHz PN0: Far PN0: Far Trig: Free Run #Atten: 30 dB Trig: Free Run #Atten: 40 dB Trig: 50 dB	Avg Type: Log-Pwr PN0: Far Trig: Free Run IFGain:Low #Atten: 30 dB Mkr 0 dBm 1 2 #VBW 100 kHz #Sweep	000000 GHz Trig: Free Run Avg Type: Log-Pwr TRACE 12.34 5.5 PN0: Far Trig: Free Run Mkr1 2.479 00 GHz TRACE 12.34 5.5 O dBm Mkr1 2.479 00 GHz -5.54 dBm 1 2 -5.54 dBm

9. Dwell Time

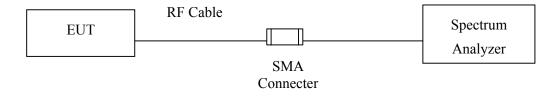
9.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2012
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2012
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note: 1. All equipments are calibrated every one year.

2. The test instruments marked by "X" are used to measure the final test results.

9.2. Test Setup



9.3. Limit

The dwell time shall be the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

9.4. Test Procedure

The EUT was setup to ANSI C63.10: 2009; tested to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

9.5. Uncertainty

± 25msec

9.6. Test Result of Dwell Time

Product	:	Mobile Computer
Test Item	:	Dwell Time
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit - 1Mbps (GFSK) (Channel 00,39,78 –DH5)

Frequency (MHz)	Time slot length (ms)	Hopping of Number	Sweep time (ms)	Duty cycle	Dwell Time (Sec)	Limit (Sec)	Result
2402	2.900	13	50	0.75	0.302	0.4	Pass
2441	2.900	13	50	0.75	0.302	0.4	Pass
2480	2.900	13	50	0.75	0.302	0.4	Pass

Duty cycle =((Time slot length(ms)*Hopping of Number) / Sweep time (ms)

Dwell time = (Duty cycle / 79) * (79*0.4)

CH 00 Time Interval between hops

Center Freq 2.402000000 GHz enter Freq 2.4020 Avg Type: Log-Pwr Frequency Avg Type: Log-Pwr Frequency GHz PNO: F Trig:Free Run #Atten:30 dB (,) #Atten: 30 d Auto Tun Auto Tur Mkr3 4.750 ms -2.73 dBm Ref 20.00 dBm Ref 20.00 de 10 dE Log Center Freq 2.402000000 GHz Center Fre 2.402000000 GH Start Free 2000000 GH Start Fre Stop Free Stop Fre enter 2.4020000 s BW 1.0 MHz Span 0 Hz Sweep 10.00 ms (1001 pts CF Step 1.000000 MU-#VBW 1.0 MHz CF Step M -2.73 dBm -2.54 dBm -2.73 dBm 1 2 1.000 m 3.900 m 4.760 m N Freq Offse Freq Offse r 2.40200 Span 0 Hz Sweep 50.00 ms (1001 pts) #VBW 1.0 MHz Res BW 1.0 MHz a / d a a 0100

CH39 Time Interval between hops

CH 39Transmission Time

CH 00 Transmission Time

		ipectrum																										lyzer Sw															
		er Fre					in G	Hz		, I.,			i siNi Nun		Avg Ty	pe: Lo		r	IN:54ж П		ei 111, 211 2 3 4 5 NNNN	6	Frequency	Ce				2.4410		n Gi	Hz 10:Fast (Ι.		NA IN		Avş		Log-Pwr	(II	INSECIA AL TRACI TVP		45.6	Frequency
L							E IN	NO: Fa Galin:L	Low		Atten:	30 d	IB							DET 0	NNNN	Ň	Auda Tum							IFG	ill: Faed (Salin: Low	<u>ار ا</u>	Atten: 3	0 dB								_	Auto Tomo
		điv	Ref	20.0	IÔ de	Bm																	Auto Tune	10 Loj	dB/c	div F	Ref	20.00	dBm										Mł	kr3 6. -2.0	550 05 di	ms Bm	Auto Tune
L																						╔	Center Freq	10	~ I					01					2		▲3						Center Freq
Ľ	Π																					ᇿ	2.441000000 GHz	-10	"E					T					T				Ŧ				2.441000000 GHz
٩	m	ΓĹ	1		11	-	ſ		1		1	1	П		1			1	11	+	1	╢	Start Freq	20	u		+		-	+		+		-	+	-	-		+		\vdash	-1	StartFreq
-1	nn				Ш	_		Ш		#	_	#		-			_			_			2.441000000 GHz	30. 40.			+					-			+		t		+	-			2.441000000 GHz
																						╟		-an					hippon	/					4.1	aunit	ļ					-100	
-																						$\ $	Stop Freq 2.441000000 GHz							'					4.	1							Stop Freq 2.441000000 GHz
-3	nn-		╫		₩	-	-	H		╫	-	╫		+		╈	-	+		+		╢	2.441000000 0112	-211	L																		2.44100000000112
-1	nn																						CF Step 1.000000 MHz	Ce Re	nte s B	г 2.44 W 1.0	100 MH	10000 C	SHz		#VB	SW 1.	0 MHz				:	Sweep 1	10.0		pan (1001		CF Step 1.000000 MHz
-5	nn	Ų.	ŀ,		ų.		1	IJ		Ų.	ļ				Ų.						V.	4	Auto Man	1	N	DE TRC			Х	2.8	00 ms		¥ -2.06 d	Bm	FUN	TION	FU	NCTION WIDTH	2	FUNCTIO	N VALUE		Auto Man
Ι.	0.0	r	ſ		1		Г			ſ			~			[-	1			lh	Freq Offset	2	N					5.7	00 ms		-2.28 d	Bm			+		+			-1	Freq Offset
ſ																							0 Hz	6		++	+				-			+			+		+			-1	0 Hz
-7	nn																					⊩					1							-			+		+				
L	L																							9 10	L																		
		r 2.44 W 1.0			U GI	ΠZ		#	¢VBλ	N 1.0	р мн	iz				Sw	eep	50.			in 0 Hi 01 pts			11 12																			
1	<mark>i</mark> sta	n	aa 7	ំ ៧	a 0)	D Av	kant Spo	otran A	чы											9 ° 🔇	*	C 🖸 🖸 🗖 🕬 🛤	-	sta	nt s	u 7	S (S) 🛤 (•	U Ayl	nik Spectrum	AN									•	(6 6	• • • • • • • • • • • • • • • • • • •

CH 78 Time Interval between hops

CH 78 Transmission Time

Agilant Spe	etrum Analyzer - Swept S									Agilen			lyzer - Swep								
Center	Freg 2.480000	000 CH-	_	ENSE:2NT	Avg Type	ALIGNAUTO : Log-Pwr	IRAC	M3an 18, 2013 1 2 3 4 5 6	Frequency	Сеп			2.48000	1000 GI	Ηz	SENSE:2	Av	g Type: Log-P	WT IRACE 1/2	145.5	Frequency
		PNO: Fast G	#Atten: 2	e Run 10 dB			DE	PNNNN	Auto Tune					P1 IC	i0: Fast 😱 aninch nwr	#Atten: 30 dB	1			NNNN	Auto Tune
10 dB/dlv	Ref 20.00 dBr	n									B/div	Ref	20.00 dE	ßm					Mkr3 6.940 -2.06 d	iBm	
10.0									Center Freq 2.48000000 GHz	Log 10.0 0.00 10.0					¢¹		¢2	¢ ³			Center Freq 2.480000000 GHz
10.00									Start Freq 2.48000000 GHz	-2000 -3000 -4000				_							Start Free 2.480000000 GHz
20.0 30.0									Stop Freq 2.480000000 GHz	70.0 90.0				in the second	*		pik.	Ayup ⁴		4	Stop Free 2.480000000 GH:
40.0									CF Step 1.000000 MHz Auto Man	Res	BW 1.0	MH	10000 GH 12	z	#VBW	1.0 MHz	TINCION		Span 0 10.00 ms (100	l pts)	CF Ste 1.000000 MH
50.0	u 4 #	- ¥ 1	*	4 4	4		/ W	N)	Auto Men Freg Offset	1	N 1 N 1 N 1	t		6.0	90 ms 90 ms 40 ms	-2.07 dBm -2.23 dBm -2.06 dBm	TUNETUN	T TEVEL THE REAS		Ξ	Auto Mar Freq Offse
/0.0									0 Hz	4 5 6 7		-								-	0 Hz
	2.480000000 GHz		/ 1.0 MHz		<u> </u>	E		pan û Hz		8 9 10 11 12											
tes Bw		#VB#				weep 50	ms (1	_	\$\$ 202 € 1003 AM	12 12 SI	tart)	= 6	e e e e		ot Spectrum Acc	h				1 69	

Note:

The dwell times of the packet type of DH1, DH3, and DH5 are tested. Only the worst case is shown on the report.

Product	:	Mobile Computer
Test Item	:	Dwell Time
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit - 3Mbps (8DPSK) (Channel 00,39,78 –DH5)

Frequency (MHz)	Time slot length (ms)	Hopping of Number	Sweep time (ms)	Duty cycle	Dwell Time (Sec)	Limit (Sec)	Result
2402	2.890	13	50	0.75	0.301	0.4	Pass
2441	2.900	13	50	0.75	0.302	0.4	Pass
2480	2.910	13	50	0.76	0.303	0.4	Pass

Duty cycle =((Time slot length(ms)*Hopping of Number) / Sweep time (ms)

Dwell time = (Duty cycle /79) * (79*0.4)

CH 00 Time Interval between hops

CH 00 Transmission Time Center Freq 2.40200000 GHz Nito Freq 1.40200000 GHz Nito Freq #44000000 GHz Besinctew Avg Type: Log-Pwr Frequency Avg Type: Log-Pw Frequency Center Freq 2.402000000 GHz nd (p) Trig: Free Auto Tur Auto Tur Mkr3 6.500 m -4.81 dBn 10 di Log Ref 20.00 dBm 20.00 Center Free 402000000 GH Center Fre Start Free 2000000 GH Start Fre Stop Free 2.402000000 GH Stop Fred 2.40200000 GH: Span 0 Hz Sweep 10.00 ms (1001 pts Center 2.402000000 Res BW 1.0 MHz CF Step 1.000000 MHz Man #VBW 1.0 MHz CF Step 1.00 5.640 mi 6.600 mi -4.91 dBn -4.91 dBn Freq Offse Freq Offse OН Span 0 Hz Sweep 50.00 ms (1001 pts) #VBW 1.0 MHz 0:0000

CH39 Time Interval between hops

CH 39Transmission Time

		ctrum																								trum A																			
Cer		Free				000	GH	lz				1123:0		A	v в Ту		g-Pw	r	112115	RACE	la:11,211 1 2 3 4 5 1 NNNN	6	Frequency	Cer		Freq		4410		00.0	3Hz		١.		NO SINI		Avg T		.og-Pw		ווובחיצוו עת ת	AM Let 11(2) AF 1 2 3 4 PF WWWWW CT I ^C N N N	5.6	Frequency	
							PN: IFG:	0: Fase alin:Lo	a (p w	, IN #A	ig: rre tten: \$	e Run 30 dB								DET	NNNN	Ň	Auto Tune	_							PNO: HGali	Canad (CLOW	۰,	frig:Fre Atten:3	¢dB							.370 m		Auto Tu	ine
10 d Log	B/div	R	tef 2	20.00	dB	m																		10 d	B/dlv	R	er 20	0.00	dBm		_									IAII	-4	97 dB	m		
10.0																							Center Freq 2.441000000 GHz	10.0								~					2		▲3					Center Fr 2.441000000 G	
																						⊩	2.44100000 GH2	-10.0			-				+	Ť	•	- • - • - •	r		Y	-		****			~	2.441000000 G	HZ
0.00	n r		n re			י ר ^{ייי}		'nr		[[ייי ר		(*** *		~~~		۲ (^{میر}	***	1 [****		Start Freq	20.0							+												╢	StartFr	
-10.0	H		₶	1	#		+	++-				1	#	Ħ		╢		1		+		1	2.441000000 GHz	40.0								ł												2.441000000 G	Ήz
-20 N	Hf		If-	-	Ĥ	H	+	╢	-	lí-		-	H	╫	-	╢	-		H	+	H	╢	Stop Freq	-60 0 -60 0						ļ	-	poli I					Lą.	-pda						Stop Fr	
-30 O	Ш		╢	-			-	+	_			-		╢	-		-			+		Ł	2.441000000 GHz	-7N N		-			-		+		+		+	-		+		+			╢	2.441000000 G	iHz
-40 N																						ŀ	CF Step			2.441 1.0 N			GHz			#VB	W 1.	0 MHz	ı.			Sv	veep	10.0		Span 0 I (1001 pt		CF St 1.000000 M	iep //Hz
-50 N	1		ų.		4	ų		ų,		ų.	J,		Ų.			μ	1		M		L,	<u>A</u> .	<u>uto</u> Man	1	N N N	188 SD			>	3.	.620 .520	ms		4.96 c -5.00 c	iBm	FUNCT	ION	FUNC	non wid	TH	FUNCT	ON VALUE	Ŧ		/lan
-60 N																						$\ $	Freq Offset	3	N	1 1				7.	.370	ms ms		4.97 c	iBm								╧	Freq Offs	
-7N N																						⊩	0 Hz	6 6 7		_	+					+			_		_			_			4	0	Hz
																								8	-	+	+					+			+		-			+			╢		
		2.441 1.0			GH:	z		#\	VBW	í 1.0	мна	z				Sw	eep	50.0	00 m		an 0 Hi 001 pts			10 11 12																					
29	tart		a 6	e 🖬	0	D	l Agio	it Speck	zan An	u											0 ° 🤞	20	E 🖉 E 📮 IA:20.44	2	start	-	6	e 📬	•	1 0 A	ylari i	pedran	A14									B 1 (- 2	• • • • • • • • •	701

CH 78 Time Interval between hops

CH 78 Transmission Time

Aglicat												2762:	-			I	KNAD				4 Geo 111,		1	Agile				lyzer S						12 14 2	-		ALICNAU			AM 140 111, 2112		
Cen					3000)0 G	Hz	i Sed G	, I _T	rig:Fr Atten:				Avg T				luca	TRACE TVPE		156	Frequency				q 2	2.480	0000	000	GHz	Teel Ca	Trig	Free R		Avg Typ	e: Log-P	ыт		AT 12345 PT WWWWWWWWWWWWWWWWWWWWWWWWWWWW	<u>.</u>	Frequency
10 dE	3/div	, F	Ref	20.0	00 di	Bm	ŀ	Galini	Low		Atten:	30 dE	3							000	p. nn	NNN	Auto Tune			lv F	Ref	20.00	dBn	-	HGalm	Low	#Atte	n: 30 dê	3			M	kr3 4	.080 ms 32 dBm	3	Auto Tune
10.0					-					+				+		+		+		_		_	Center Freq 2.49000000 GHz	10.0	H	<u>}1</u>						2	3 		-		-			-		Center Freq 2.480000000 GHz
-10.0	ſ		<u>_</u>			7		1~		^	1	-	[7		m	-	•••••	Ĩ			1	Start Freq 2.48000000 GHz	2010 3010 4010	Η		+							+							 	Start Freq 2.480000000 GHz
-20 0 -30 0																							Stop Freq 2.49000000 GHz		r.						1	ynding		_			-pro-ulo	•				Stop Freq 2.480000000 GHz
-40.0																							CF Step 1.000000 MHz Auto Man	Res	S BV	N 1.0	MH	00000 Iz	GHz	x			/ 1.0 M				Sweep	_)0 ms	Span 0 Hz (1001 pts RNN9WS		CF Step 1.000000 MHz to Man
-500 -600	,	*		٢	`	يوا		ľ	খ	f	M		đ	ľ		*	¥		Ψ.	h	,	٣	Freq Offset 0 Hz		ZZZ	11	t			3	330.0 1.240 i 1.090 i	ne	-6.4	1 dBm 2 dBm 2 dBm	1							Freq Offset 0 Hz
-mn Cent Res)0 GI	Hz			¢γΒι	N 1.0	0 MH	z				Sv	veep	50	.00 n		oan 0			7 8 9 10 11 12																		
🐮 st	tart		aa 7	5 Ø	e 0		DI A	ila ti Sp	ederan A	414											8 3	¢.s	₹₹ 20 2 0 market	4	start	t) 6	= <i>C</i>	i ei 🖬	0	9	Agilant Sy	curan A	u							B : ¢	20	2 020 II. M. M. M.

Note:

The dwell times of the packet type of DH1, DH3, and DH5 are tested. Only the worst case is shown on the report.

10. Occupied Bandwidth

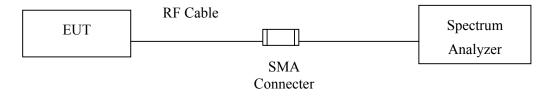
10.1. Test Equipment

_	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2012
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2012
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note: 1. All equipments are calibrated every one year.

2. The test instruments marked by "X" are used to measure the final test results.

10.2. Test Setup



10.3. Limits

N/A

10.4. Test Procedure

The EUT was setup to ANSI C63.10: 2009; tested to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

10.5. Uncertainty

± 150Hz

10.6. Test Result of Occupied Bandwidth

Product	:	Mobile Computer
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit - 1Mbps (GFSK)(2402MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
00	2402	1150		NA

Figure Channel 00:

encountering from contraction to the	6 AM Jan 18, 2013	09:44:36 A	ALIGN AUTO		VSE:INT	SEI		50 Ω AC	R	L
Frequency	ACE 123456 TYPE MWWWWW DET PNNNNN	TRAC	: Log-Pwr	Avg Type	Run	1	GHz PNO: Far IFGain:Low	2.402000000		
Auto Tur	1 41 GHz 3.03 dBm		Mkr					f 20.00 dBm	Re	B/div
Center Fre 2.402000000 GH					1					
Start Fr 2.397000000 Gi	22.32 dBm				3	¢2				
Stop Fr 2.407000000 G	h	m	Jonwan	Journal				man	Anna	h
CF Sto 1.000000 M	10.00 MHz (1001 pts)		Sweep	1		100 kHz	#VBW	00 GHz kHz	2.4020 N 100	
Auto M	TION VALUE	FUNCTIO	NCTION WIDTH	CTION FU	3m	-2.32 di -23.03 di	1 99 GHz 1 41 GHz	2.40	TRC SC 1 f 1 f	NODE N N
Freq Offs 0					3m	-23.14 dE	12 56 GHz	2.40	1 f	N

Product	:	Mobile Computer
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit - 1Mbps (GFSK)(2441MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
39	2441	1140		NA

Figure Channel 39:

	AC	SENSE:INT	ALIGN AUTC		
enter Freq 2.4410	DOOOO GHZ PNO: Far G IFGain:Low	☐ Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TYPE MWWWWW DET P N N N N N	
dB/div Ref 20.00 c	Bm		Mk	r2 2.440 42 GHz -22.00 dBm	
9 0.0		1			Center Fr
		h			2.441000000 G
.0		2^2		-21.91 dBm	Start Fr
.0					2.436000000 G
.0	man		June June	and marken and	
.0					Stop Fr 2.446000000 G
enter 2.441000 GHz				Span 10.00 MHz	
tes BW 100 kHz	#VBV	V 100 kHz	Sweep	1.27 ms (1001 pts)	CF St 1.000000 M
R MODE TRC SCL N 1 f	× 2.440 99 GHz	-1.91 dBm	UNCTION FUNCTION WIDT	H FUNCTION VALUE	<u>Auto</u> N
N 1 f N 1 f	2.440 42 GHz 2.441 56 GHz	-22.00 dBm -22.58 dBm			Freq Offs
					0
7 3 9					
2					

Product	:	Mobile Computer
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit - 1Mbps (GFSK)(2480MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
78	2480	1150		NA

Figure Channel 78:

<mark>ilent Spectrum Analyzer - Swep</mark> RL RF 50 Ω	AC	SENSE:INT	ALIGNAUTO	09:58:54 AM Jan 18, 2013	Frequency
enter Freq 2.48000	0000 GHz PNO: Far IFGain:Low	☐ Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	
dB/div Ref 20.00 dB	3m		Mkı	2 2.479 41 GHz -22.54 dBm	Auto Tur
2 0		1			Center Fre
00		2			2.48000000 G
0.0				-21.94 dBm	Start Fr
J.0	~ ^ ^ /		by m		2.475000000 G
1.0	and had been and		Comment Sammen	manstron	Stop Fr
.0					2.485000000 G
enter 2.480000 GHz Res BW 100 kHz	#VBV	V 100 kHz	Sweep	Span 10.00 MHz 1.27 ms (1001 pts)	CF St 1.000000 M
R MODE TRC SCL	× 2.479 99 GHz	1.94 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M
2 N 1 f 3 N 1 f	2.479 41 GHz 2.480 56 GHz	-22.54 dBm -22.69 dBm			Freq Offs
4 5 3					0
7					
9 D 1					
2					

Product	:	Mobile Computer
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit - 3Mbps (8DPSK) (2402MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
00	2402	1390		NA

Figure Channel 00:

RL RF 50 Ω	AC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	10:19:55 AM Jan 18, 2013 TRACE 1 2 3 4 5 6	Frequency
enter Freq 2.40200	DUUUU GHZ PNO: Far G IFGain:Low	☐ Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr		
dB/div Ref 20.00 d	Bm		Mkr	2 2.401 29 GHz -25.22 dBm	Auto Tur
9 0.0		. 1			Center Fre
00		2m			2.402000000 G
.0		♦ ²	3	-24.58 dBm	Start Fr
0.0	771				2.397000000 G
0	monten		· Low man	a month	04a m En
).0).0					Stop Fr 2.407000000 G
enter 2.402000 GHz Res BW 100 kHz	#VB	V 100 kHz	Sween	Span 10.00 MHz 1.27 ms (1001 pts)	CF St
R MODE TRC SCL	×		UNCTION FUNCTION WIDTH		1.000000 M <u>Auto</u> N
N 1 f N 1 f	2.401 82 GHz 2.401 29 GHz	-4.58 dBm -25.22 dBm			
3 N 1 f	2.402 68 GHz	-24.98 dBm			Freq Offs 0
3					
3 9 0					

Product	:	Mobile Computer
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit - 3Mbps (8DPSK) (2441MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
39	2441	1390		NA

Figure Channel 39:

RL RF 50 9		SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	10:27:04 AM Jan 18, 2013 TRACE 1 2 3 4 5 6	Frequency
enter Freq 2.4410	PNO: Far G IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type. Log-t wi	TYPE MWWWWW DET P N N N N N	
dB/div Ref 20.00	dBm		Mkr	2 2.440 29 GHz -25.22 dBm	Auto Tui
9 0.0					Center Fr
.0		1			2.441000000 G
1.0			3	-24.77 dBm	Start Fr
1.0					2.436000000 G
1.0	- Martine Art		harrow	- manne	
1.0 <u>Market and and and and and and and and and and</u>					Stop Fr 2.446000000 G
enter 2.441000 GHz				Span 10.00 MHz	05.04
tes BW 100 kHz		/ 100 kHz		1.27 ms (1001 pts)	CF St 1.000000 N
R MODE TRC SCL	× 2.440 99 GHz	-4.77 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> N
N 1 f N 1 f	2.440 29 GHz 2.441 68 GHz	-25.22 dBm -25.35 dBm			Freq Offs
3					0
7					

Product	:	Mobile Computer
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit - 3Mbps (8DPSK)(2480MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
78	2480	1390		NA

Figure Channel 78:

i <mark>lent Spectrum Analyzer - Swep</mark> RL RF 50 Ω	AC	SENSE:INT	V	ALIGN AUTO		4 Jan 18, 2013	Frequency
enter Freq 2.48000	0000 GHz PNO: Far G IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Ty	vpe: Log-Pwr	TYP	123456 MWWWWW PNNNNN	
dB/div Ref 20.00 dl	3m			Mkr	2 2.479 -25.5	29 GHz 51 dBm	Auto Tur
9 0.0		1					Center Fre
.00		-May					2.480000000 G
1.0		♦ ²	3	-		-25.00 dBm	Start Fr
D.0 D.0	Mr. or		M				2.475000000 G
).0	mm		ww	000000	- mar	mon	Stop Fr
).0							2.485000000 G
enter 2.480000 GHz Res BW 100 kHz	#VBV	V 100 kHz		Sweep ′	Span 10 1.27 ms (1	0.00 MHz 001 pts)	CF Sto 1.000000 M
R MODE TRC SCL	× 2.479 82 GHz	Y -5.00 dBm	UNCTION	FUNCTION WIDTH	FUNCTIO	N VALUE	1.000000 M Auto M
2 N 1 f 3 N 1 f	2.479 29 GHz 2.480 68 GHz	-25.51 dBm -25.69 dBm					Freq Offs
4 5 3							0
7							
0 1							
2							

11. EMI Reduction Method During Compliance Testing

No modification was made during testing.